BRUHAT BANGALORE MAHANAGARA PALIKE

EXCEL MB BOOK

First and Final bill

Name of Work:	Improvements Roads and Drains in Ward No 12
Estimate Cost:	98.00 Lakhs
Modified Estimate Cost	97,48,718.50
Job Code	013-20-000022
Administration No	BBMP/EE/DD/AS/85/2020-21 Dt:02-07-2020
Technical Sanction No	SE/DZ/TS/56/2020-21 Dt:17-07-2020
Work Order No	BBMP/EE/DD/WO/196/2020-21 Dt:03-03-2021
Name of Agency	**K B Constructions**

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BRUHATH BANGALORE MAHANAGARA PALIKE
DASARAHALLI ZONE SHETTYHALLI SUB DIVISION WARD NO 13

E M B

Name of the work: Improvements to roads and Drains in Ward No 13

Job Code 013-20-000022

No	Description of Work	No	Length	Width	Depth	Quantity	Unit
7	Scarifying bituminous course 50mm to 75mm thick along with premix carpet / surface dressing by manual means without disturbing the base and stacking of the debris materials including cost of all labour charges complete as per specifications.MORTH / Chapter 3						
	9th Cross pipe lane Mallasandra	1	30.00	(7.90+4.75)2		190.50	
	- "-	1	30.00	(4.75+4.60)2		140.40	
	- "-	1	30.00	(4.60+5.20)2		147.00	
	- "-	1	30.00	5.20		730.08	
	- "-	1	2.10	5.20		10.92	
	10th Cross pipe lane Mallasandra	1	30.00	(5.90+3.80)2		145.50	
	- "-	1	30.00	(3.80+3.35)2		107.10	
	- "-	1	10.00	(3.35+3.65)2		35.00	
	4th cross Road At Pipe lane	1	30.00	(7.00+3.7)2		160.50	
	- "-	1	30.00	(3.70+3.95)2		114.75	
	- "-	1	16.50	(3.95+3.65)2		62.70	
	5th cross Mallasandra	1	21.00	(4.50+4.00)/2		89.25	
	- "-	1	14.30	(4.00+4.80)/2		62.92	
	- "-	1	30.00	(6.80+5.80)/2		189.00	
	- "-	1	30.00	5.75		172.50	
	- "-	2	30.00	1.00		60.00	
	- "-	3	2.50	3.00		22.50	
	- "-	2	30.00	1.00		60.00	
	- "-	1	19.80	1.00		19.80	
	3rd Cross Cambridge School Road	2	30.00	1.00		60.00	
	- "-	1	16.00	1.00		16.00	
	- "-	2	30.00	1.00		60.00	
	- "-	1	15.00	1.00		15.00	
	- "-	1	30.00	1.00		30.00	
	- "-	2	30.00	1.00		60.00	
	- "-	1	30.00	1.00		30.00	
	- "-	1	30.00	1.00		30.00	
	- "-	2	30.00	1.00		60.00	
	- "-	1	30.00	1.00		30.00	
	- "-	2	21.00	1.00		42.00	
	- "-	1	28.20	1.00		28.20	
	- "-	1	5.00	1.40		7.00	
						2988.62	Sqm
				Qty limited to		2137.02	Sqm

Assistant Engineer 03/04/24
Ward No 13

Assistant Executive Engineer 03.4.24
Shettyhalli Sub Division

8	Dismantling of cement concrete pavement by mechanical means using pneumatic tools, breaking to pieces not exceeding					
	RCC Culvert near cambridge School	1	6.50	1.50	0.30	2.93
	Anjaneyya Temple Road	2	30.00	1.00	0.30	18.00
	1st Cross Mallasandra	2	30.00	0.90	0.30	16.20
	2nd Cross Mallasandra	2	12.00	0.90	0.30	6.48

ಸಹಾಯಕ ಕಾರ್ಯಪಾಲಕ ಅಭಿಯಂತರರು

8th cross Prasanth Nagar	1	10.20	0.90	0.30	2.75	
7th cross Prasanth Nagar	1	22.85	0.75	0.30	5.14	
4th 'A' cross Mallasandra (Near Cambridge School)	1	16.20	0.80	0.30	3.89	
					55.39	Cum

03/04/21

Assistant Engineer
Ward No 13

Assistant Executive Engineer
Shettyhalli Sub Division

1	Earthwork excavation by manual means for roads, drains & similar works in ordinary soil excavated surface levelled and sides neatly dressed, the disposed earth to be levelled neatly after breaking of clods complete as per specifications.						
	Desilting Drains						
	Aai Mahathma temple beside	2	30.00	0.60	0.50	18.00	
	-"-	1	5.60	0.60	0.50	1.68	
	Mallasandra 5th cross	5	30.00	0.60	0.45	40.50	
	-"-	1	24.50	0.60	0.45	6.62	
	Mallasandra 8th cross	1	30.00	0.60	0.45	8.10	
	Mallasandra 9 th cross	4	30.00	0.60	0.40	28.80	
	Mallasandra 10th cross	2	30.00	0.60	0.50	18.00	
	RCC Drain						
	Shanthi Layout 1st Cross	1	33.50	1.10	1.00	36.85	
	Shanthi Layout 3rd Cross	1	25.50	1.10	1.00	28.05	
	At Aai mahathma temple	1	2.50	1.10	1.00	2.75	
	8th cross Mallasandra	1	50.00	1.10	1.00	55.00	
	RCC Culvert						
	Shanthi Layout 3rd Cross	1	6.50	1.80	1.10	12.87	
	opposit Aai Matha Temple Road	1	4.60	1.50	1.10	7.59	
	Near Aai Matha Temple Road	1	8.00	1.70	1.10	14.96	
	Near Aai Matha Temple Road	1	6.70	1.70	1.10	12.53	
	4th 'A' cross Mallasandra (Near Cambridge School)	1	6.50	1.70	1.10	12.16	
	For CC Road and Asphalting Roads						
	1st Cross Mallasandra	1	30.00	1.00	0.30	9.00	
	- "-	1	24.50	1.00	0.30	7.35	
	Anjanayya Temple Road	1	10.70	1.00	0.30	3.21	
	- "-	2	30.00	1.00	0.30	18.00	
	- "-	1	28.00	1.00	0.30	8.40	
	Aai Matha Temple opp road	1	18.00	4.25	0.30	22.95	
	- "-	2	30.00	4.95	0.30	89.10	
	- "-	1	5.60	4.95	0.30	8.32	
	2nd Cross Lake view	1	27.75	4.90	0.30	40.79	
	4th cross Road At Pipe lane	2	30.00	3.40	0.30	61.20	
	- "-	1	16.50	3.40	0.30	16.83	
	9th Cross pipe lane Mallasandra	1	30.00	(7.90+4.75)2	0.30	57.15	
	- "-	1	30.00	(4.75+4.60)2	0.30	42.12	
	- "-	1	30.00	(4.60+5.20)2	0.30	44.10	
	- "-	1	30.00	5.20	0.30	46.80	
	- "-	1	2.10	5.20	0.30	3.28	
	10th Cross pipe lane Mallasandra	1	30.00	(5.90+3.80)2	0.30	43.65	
	- "-	1	30.00	(3.80+3.35)2	0.30	32.13	
	- "-	1	10.00	(3.35+3.65)2	0.30	10.50	
	4th cross Road At Pipe lane	1	30.00	(7.00+3.7)2	0.30	48.15	
	- "-	1	30.00	(3.70+3.95)2	0.30	34.43	
	- "-	1	16.50	(3.95+3.65)2	0.30	18.81	
	Cross road Near Cambridge School	1	29.00	1.00	0.30	8.70	

25.04.21

ಸಹಾಯಕ ಅಭಿಯಂತರರು
ಶೆಟ್ಟಿಹಳ್ಳಿ ಉಪವಿಭಾಗ, ದಾಸರಹಳ್ಳಿ ವಲಯ
ಬಿ.ಬಿ.ಎಂ.ಪಿ., ಬೆಂಗಳೂರು.

ಸಹಾಯಕ ಕಾರ್ಯನಿರ್ವಾಹಕ ಅಭಿಯಂತರರು
ಶೆಟ್ಟಿಹಳ್ಳಿ ಉಪವಿಭಾಗ, ದಾಸರಹಳ್ಳಿ ವಲಯ
ಬೃಹತ್ ಬೆಂಗಳೂರು ಮಹಾನಗರ ಪಾಲಿಕೆ
[illegible], ಬೆಂಗಳೂರು.

8 A cross Prasanth Nagar	1	30.00	1.00	0.30	9.00	
- "-	1	10.20	1.00	0.30	3.06	
7 cross Prasanth Nagar	1	22.85	1.00	0.30	6.86	
Asphalting Roads						
5th cross Mallasandra	1	21.00	(4.50+4.00)/2	0.3	26.78	
- "-	1	14.30	(4.00+4.80)/2	0.3	18.88	
- "-	1	30.00	(6.80+5.80)/2	0.3	56.70	
- "-	1	30.00	5.75	0.3	51.75	
- "-	2	30.00	1.00	0.3	18.00	
- "-	3	2.50	3.00	0.3	6.75	
- "-	2	30.00	1.00	0.3	18.00	
3rd Cross Cambridge School Road	1	19.80	1.00	0.3	5.94	
- "-	2	30.00	1.00	0.3	18.00	
- "-	1	16.00	1.00	0.3	4.80	
- "-	2	30.00	1.00	0.3	18.00	
- "-	1	15.00	1.00	0.3	4.50	
- "-	1	30.00	1.00	0.3	9.00	
- "-	2	30.00	1.00	0.3	18.00	
- "-	1	30.00	1.00	0.3	9.00	
- "-	1	30.00	1.00	0.3	9.00	
- "-	2	30.00	1.00	0.3	18.00	
- "-	1	30.00	1.00	0.3	9.00	
- "-	2	21.00	1.00	0.3	12.60	
- "-	1	28.20	1.00	0.3	8.46	
	1	5.00	1.40	0.3	2.10	
					1341.57	Cum
				Qty Limited to	1156.00	Cum

25.04.21

Assistant Engineer
Ward No 13

Assistant Executive Engineer
Shettyhalli Sub Division
25.4.21

9	Compaction of original ground by mechanical means including filling in depression occuring during rolling including cost of all labour, HOM complete as per specifications. MORTH I Chapter 3						
	For CC Road						
	1st Cross Mallasandra	1	30.00	1.00		30.00	
	-"-	1	24.50	1.00		24.50	
	Anjanayya Temple Road	1	10.70	1.00		10.70	
	-"-	2	30.00	1.00		60.00	
	-"-	1	28.00	1.00		28.00	
	Aai Matha Temple opp road	1	18.00	4.25		76.50	
	Aai Matha Temple beside road	2	30.00	4.95		297.00	
	-"-	1	5.60	4.95		27.72	
	2nd Cross Lake view	1	27.75	4.90		135.98	
	9th Cross pipe lane Mallasandra	1	30.00	(7.90+4.75)2		190.50	
	- "-	1	30.00	(4.75+4.60)2		140.40	
	- "-	1	30.00	(4.60+5.20)2		147.00	
	- "-	1	30.00	5.20		156.00	
	10th Cross pipe lane Mallasandra	1	2.10	5.20		10.92	
	- "-	1	30.00	(5.90+3.80)2		145.50	
	- "-	1	30.00	(3.80+3.35)2		107.10	
	4th cross Road At Pipe lane	1	10.00	(3.35+3.65)2		35.00	
	- "-	1	30.00	(7.00+3.7)2		160.50	
	- "-	1	30.00	(3.70+3.95)2		114.75	
	4th 'A' Cross Near Cambridge School	1	16.50	(3.95+3.65)2		62.70	
		3	30.00	1.00		90.00	

28.05.21

ಸಹಾಯಕ ಇಂಜಿನಿಯರ್
ಶೆಟ್ಟಿಹಳ್ಳಿ ಉಪವಿಭಾಗ, ದಾಸರಹಳ್ಳಿ ವಲಯ

ಸಹಾಯಕ ಕಾರ್ಯಪಾಲಕ ಅಭಿಯಂತರರು
ಶೆಟ್ಟಿಹಳ್ಳಿ ಉಪವಿಭಾಗ, ದಾಸರಹಳ್ಳಿ ವಲಯ

	-"-	1	23.50	1.00		23.50	
	Cross road Near Cambridge School	1	29.00	1.00		29.00	
	8 A cross Prasanth Nagar	1	30.00	1.00		30.00	
	-"-	1	10.20	0.60		6.12	
	7 cross Prasanth Nagar	1	22.85	0.60		13.71	
	5th cross Mallasandra	1	21.00	(4.50+4.00)/2		89.25	
	- "-	1	14.30	(4.00+4.80)/2		62.92	
	- "-	1	30.00	(6.80+5.80)/2		189.00	
	- "-	1	30.00	5.75		172.50	
	- "- (Sanitory pit)	2	30.00	1.00		60.00	
	- "-	3	2.50	3.00		22.50	
	- "-	2	30.00	1.00		60.00	
	3rd Cross Cambridge School Road	1	19.80	1.00		19.80	
	- "-	2	30.00	1.00		60.00	
	- "-	1	16.00	1.00		16.00	
	- "-	2	30.00	1.00		60.00	
	- "-	1	15.00	1.00		15.00	
	- "-	1	30.00	1.00		30.00	
	- "-	2	30.00	1.00		60.00	
	- "-	1	30.00	1.00		30.00	
	- "-	1	30.00	1.00		30.00	
	- "-	2	30.00	1.00		60.00	
	- "-	1	30.00	1.00		30.00	
	- "-	2	21.00	1.00		42.00	
	- "-	1	28.20	1.00		28.20	
		1	5.00	1.40		7.00	
						3297.27	Sqm
				Qty limited to		2608.00	Sqm

Assistant Engineer
Ward No 13
28.05.21

Assistant Executive Engineer
Shettyhalli Sub Division
28.5.21

10	Providing, laying, spreading and compacting cushed stone aggregates of granite / trap / basalt to wet mix macadam specifications including pre mixing the material with water at OMC in mechanical mix plant carriage of mixed materials by tipper to site, laying in uniform layers with paver in sub-base/base course on well prepared surface and compacting with vibratory roller to achieve the desired density complete as per specifications. MORTH SpecificationNo.406						
	For CC Road						
	1st Cross Mallasandra	1	30.00	1.00	0.15	4.50	
	-"-	1	24.50	1.00	0.15	3.68	
	Anjanayya Temple Road	1	10.70	1.00	0.15	1.61	
	-"-	2	30.00	1.00	0.15	9.00	
	-"-	1	28.00	1.00	0.15	4.20	
	Aai Matha Temple opp road	1	18.00	4.25	0.15	11.48	
	Aai Matha Temple beside road	2	30.00	4.95	0.15	44.55	
	-"-	1	5.60	4.95	0.15	4.16	
	2nd Cross Lake view	1	27.75	4.90	0.15	20.40	
	9th Cross pipe lane Mallasandra	1	30.00	(7.90+4.75)2	0.15	28.58	
	- "-	1	30.00	(4.75+4.60)2	0.15	21.06	
	- "-	1	30.00	(4.60+5.20)2	0.15	22.05	
	- "-	1	30.00	5.20	0.15	23.40	
	- "-	1	2.10	5.20	0.15	1.64	
	10th Cross pipe lane Mallasandra	1	30.00	(5.90+3.80)2	0.15	21.83	
	- "-	1	30.00	(3.80+3.35)2	0.15	16.07	
	- "-	1	10.00	(3.35+3.65)2	0.15	5.25	

E.E. (B.D.)

ಸಹಾಯಕ ಕಾರ್ಯಪಾಲಕ ಅಭಿಯಂತರರು
ಶೆಟ್ಟಿಹಳ್ಳಿ ಉಪವಿಭಾಗ, ದಾಸರಹಳ್ಳಿ ವಲಯ
ಬಿ.ಬಿ.ಎಂ.ಪಿ., ಬೆಂಗಳೂರು.

ಸಹಾಯಕ ಕಾರ್ಯಪಾಲಕ ಅಭಿಯಂತರರು
ಶೆಟ್ಟಿಹಳ್ಳಿ ಉಪವಿಭಾಗ, ದಾಸರಹಳ್ಳಿ ವಲಯ
ಬೃಹತ್ ಬೆಂಗಳೂರು ಮಹಾನಗರ ಪಾಲಿಕೆ
ಎಸ್.ಬಿ. ರಸ್ತೆ, ರಮೇಶ್ವರನಗರ, ಬೆಂಗಳೂರು

4th cross Road At Pipe lane	1	30.00	(7.00+3.7)2	0.15	24.08	
- "-	1	30.00	(3.70+3.95)2	0.15	17.21	
- "-	1	16.50	(3.95+3.65)2	0.15	9.41	
th 'A' Cross Near Cambridge School	3	30.00	1.00	0.15	13.50	
-"-	1	23.50	1.00	0.15	3.53	
Cross road Near Cambridge School	1	29.00	1.00	0.15	4.35	
8 A cross Prasanth Nagar	1	30.00	1.00	0.15	4.50	
-"-	1	10.20	0.60	0.15	0.92	
7 cross Prasanth Nagar	1	22.85	0.60	0.15	2.06	
Ashpalt Road					0.00	
5th cross Mallasandra	1	21.00	(4.50+4.00)/2	0.15	13.39	
- "-	1	14.30	(4.00+4.80)/2	0.15	9.44	
- "-	1	30.00	(6.80+5.80)/2	0.15	28.35	
- "-	1	30.00	5.75	0.15	25.88	
- "-	2	30.00	1.00	0.15	9.00	
- "- (Sanitory pit)	3	2.50	3.00	0.15	3.38	
- "-	2	30.00	1.00	0.15	9.00	
- "-	1	19.80	1.00	0.15	2.97	
3rd Cross Cambridge School Road	2	30.00	1.00	0.15	9.00	
- "-	1	16.00	1.00	0.15	2.40	
- "-	2	30.00	1.00	0.15	9.00	
- "-	1	15.00	1.00	0.15	2.25	
- "-	1	30.00	1.00	0.15	4.50	
- "-	2	30.00	1.00	0.15	9.00	
- "-	1	30.00	1.00	0.15	4.50	
- "-	1	30.00	1.00	0.15	4.50	
- "-	2	30.00	1.00	0.15	9.00	
- "-	1	30.00	1.00	0.15	4.50	
- "-	2	21.00	1.00	0.15	6.30	
- "-	1	28.20	1.00	0.15	4.23	
- "-	1	5.00	1.40	0.15	1.05	
					494.59	Cum
			Qty Limited To		**462.75**	**Cum**

E.E. (D.D.)
29.05.21
Assistant Engineer
Ward No 13

Assistant ~~Executive~~ Engineer
Shettyhalli Sub Division 29.5.21

2	Removing & Refixing stone slabs of drains and pointing in C.M (1:3)						
	Mallasandra 5th cross	5	30.00	1.00		150.00	
	Maheswara block 5th cross Mallasandra	1	24.50	1.00		24.50	
						174.50	**Sqm**
					Qty Limited to	**173.93**	**Sqm**

30.05.21
Assistant Engineer
Ward No 13

Assistant Executive Engineer
Shettyhalli Sub Division 30.5.21

3	Providing and laying Plain cement concrete of mix 1:3:6 with OPC @ 220kgs, with crushed 40mm and down size graded granite metal coarse aggregates @0.89cum and fine aggregates @ 0.46cum, in foundation mechanically mixed, placed in foundation and compacted by vibration including curing for 14 days including cost of all materials, labour, HOM curing, form works, scaffolding and centering complete as per specifications.					
	RCC Drain					
	Shanthi Layout 1st Cross	1	33.50	1.00	0.15	5.03

ಸಹಾಯಕ ಇಂಜಿನಿಯರ್
ಶೆಟ್ಟಿಹಳ್ಳಿ ಉಪವಿಭಾಗ, ದಾಸರಹಳ್ಳಿ ವಲಯ
ಬಿ.ಬಿ.ಎಂ.ಪಿ., ಬೆಂಗಳೂರು.

ಸಹಾಯಕ ಕಾರ್ಯ ಪಾಲಕ ಅಭಿಯಂತರರು
ಶೆಟ್ಟಿಹಳ್ಳಿ ಉಪವಿಭಾಗ, ದಾಸರಹಳ್ಳಿ ವಲಯ
ಬಿ.ಬಿ.ಎಂ.ಪಿ., ಮಹಾನಗರ ಪಾಲಿಕೆ

Shanthi Layout 3rd Cross	1	25.50	1.00	0.15	3.83	
At Aai mahathma temple	1	2.50	1.00	0.15	0.38	
8th cross Mallasandra	1	50.00	1.00	0.15	7.50	
CC Culvert						
Shanthi Layout3rd Cross	1	6.50	1.70	0.15	1.66	
Opposite to Aai Matha Temple	1	4.60	1.50	0.15	1.04	
Near Aai Matha Temple Road	1	8.00	1.70	0.15	2.04	
Near Aai Matha Temple Road	1	6.70	1.70	0.15	1.71	
4th 'A' cross Mallasandra (Near Cambridge School)	1	6.50	1.70	0.15	1.66	
For CC Road						
1st Cross Mallasandra	1	30.00	1.00	0.15	4.50	
- "-	1	24.50	1.00	0.15	3.68	
Anjanayya Temple Road	1	10.70	1.00	0.15	1.61	
- "-	2	30.00	1.00	0.15	9.00	
- "-	1	28.00	1.00	0.15	4.20	
Aai Matha Temple opp road	1	18.00	4.25	0.15	11.48	
Aai Matha Temple beside road	2	30.00	4.95	0.15	44.55	
- "-	1	5.60	4.95	0.15	4.16	
2nd Cross Lake view	1	27.75	4.90	0.15	20.40	
9th Cross pipe lane Mallasandra	1	30.00	(7.90+4.75)2	0.15	28.58	
- "-	1	30.00	(4.75+4.60)2	0.15	21.06	
- "-	1	30.00	(4.60+5.20)2	0.15	22.05	
- "-	1	30.00	5.20	0.15	23.40	
- "-	1	2.10	5.20	0.15	1.64	
10th Cross pipe lane Mallasandra	1	30.00	(5.90+3.80)2	0.15	21.83	
- "-	1	30.00	(3.80+3.35)2	0.15	16.07	
- "-	1	10.00	(3.35+3.65)2	0.15	5.25	
4th cross Road At Pipe lane	1	30.00	(7.00+3.7)2	0.15	24.08	
- "-	1	30.00	(3.70+3.95)2	0.15	17.21	
- "-	1	16.50	(3.95+3.65)2	0.15	9.41	
4th 'A' Cross Near Cambridge School	3	30.00	1.00	0.15	13.50	
- "-	1	23.50	1.00	0.15	3.53	
Cross road Near Cambridge School	1	29.00	1.00	0.15	4.35	
8 A cross Prasanth Nagar	1	30.00	1.00	0.15	4.50	
- "-	1	10.20	0.60	0.15	0.92	
7 cross Prasanth Nagar	1	22.85	0.60	0.15	2.06	
- "-	1	4.00	3.50	0.15	2.10	
					349.89	Cum
				Qty Limited to	320.28	Cum

E.E. (D.D.)
02.06.21

Assistant Engineer
Ward No 13

Assistant Executive Engineer
Shettyhalli Sub Division
02.6.21

5	Providing T.M.T. steel reinforcement for R.C.C. work including straightening, cutting, bending, hooking, placing in position, lapping and/or welding wherever required, tying with binding wire and anchoring to the adjoining members wherever necessary complete as per disign (laps, hooks and wastage shall not be measured and paid) cost of materials, labour, HOM complete as per specification 28.8.2 -do- TMT Bars Fe 500					
	Drain					
	Shanthi Layout 1st Cross (10mm @ 0.62kg/mm)	335	2.30			
	(8mm @ 0.39kg/m)	11	33.50			477.71
	Shanthi Layout 3rd Cross (10mm @ 0.62kg/mm)	255	2.30			143.72
	(8mm @ 0.39kg/m)	11	25.50			363.63
	Near Aai Matha Temple Road (10mm @0 .62kg/mm)	25	2.30			109.40
	(8mm @ 0.39kg/m)	11	2.50			35.65
	8th cross Mallasandra (10mm @ 0.62kg/mm)	500	2.30			10.73
						713.00

ಸಹಾಯಕ ಕಾರ್ಯಪಾಲಕ ಅಭಿಯಂತರರು
ಶೆಟ್ಟಿಹಳ್ಳಿ ಉಪವಿಭಾಗ, ದಾಸರಹಳ್ಳಿ ವಲಯ
ಬಿ.ಬಿ.ಎಂ.ಪಿ., ಬೆಂಗಳೂರು.

ಸಹಾಯಕ ಕಾರ್ಯಪಾಲಕ ಅಭಿಯಂತರರು
ಶೆಟ್ಟಿಹಳ್ಳಿ ಉಪವಿಭಾಗ, ದಾಸರಹಳ್ಳಿ ವಲಯ
ಬೃಹತ್ ಬೆಂಗಳೂರು ಮಹಾನಗರ ಪಾಲಿಕೆ
ಎಸ್.ಎಂ. ರಸ್ತೆ, ರವೀಂದ್ರನಗರ, ಬೆಂಗಳೂರು

(8mm @ 0.39kg/m)	11	50.00			214.50	
5th cross Mallasandra wall (10mm @ 0.62kg/mm)	2x480	0.25			148.80	
(8mm @ 0.39kg/m)	2x3	48.00			112.32	
th cross Mallasandra wall (10mm @ 0.62kg/mm)	2x505	0.25			156.55	
(8mm @ 0.39kg/m)	2x3	50.50			118.17	
Culvert					0.00	
Shanthi Layout 3rd Cross (16mm @ 1.57kg/m)	2x65	2.80			571.48	
(10mm @0.39kg/m)	32	6.50			128.96	
Near Aai Matha Temple Road (16mm @ 1.57kg/m)	2x80	2.80			703.36	
(10mm @0.39kg/m)	32	8.00			158.72	
Near Aai Matha Temple Road (16mm @ 1.57kg/m)	2x67	2.80			589.06	
(10mm @0.39kg/m)	32	6.70			132.93	
Opposite Aai Matha Temple Road (16mm @ 1.57kg/m)	2x46	2.80			404.43	
(10mm @0.39kg/m)	32	4.60			91.26	
4th A Cross Near Cambridge School (16mm @ 1.57kg/m	2x65	2.80			571.48	
(10mm @0.39kg/m)	32	6.50			128.96	
					6084.81	**Kg**
					6.08	**Ton**

20.07.21

Assistant Engineer
Ward No 13

Assistant Executive Engineer
Shettyhalli Sub Division
20.1.21

4	Providing and laying plain/reinforced cement concrete for side drains using M20 nominal mix concrete with OPC at 300 kgs. with 20mm and down size granite metal coarse aggregates at 0.69 cum and fine aggregates at 0.43 cum machine mixed, well compacted for walls and bottom including centering, shuttering, cost of materials, HOM of machinery, curing etc., complete excluding cost of steel as per MORTH specification No. 1500,1700, 2200. including cost of materials, labour, HOM complete as per specifications.						
	RCC Drain Bottom (Raft)						
	Shanthi Layout 1st Cross	1	33.50	1.00	0.15	5.03	
	Shanthi Layout 3rd Cross	1	25.50	1.00	0.15	3.83	
	At Aai mahathma temple	1	2.50	1.00	0.15	0.38	
	8th cross Mallasandra	1	50.00	1.00	0.15	7.50	
	Mallasandra 5th cross Drain bed Correction	5	30.00	0.60	0.15	13.50	
	- "-	1	24.50	0.60	0.15	2.21	
	Aai mahathma temple beside Drain bed Correction	2	30.00	0.60	0.15	5.40	
	- "-	1	5.60	0.60	0.15	0.50	
	RCC Drain Side Wall						
	Shanthi Layout 1st Cross	2	33.50	0.15	0.60	6.03	
	Shanthi Layout 3rd Cross	2	25.50	0.15	0.60	4.59	
	At Aai mahathma temple	2	2.50	0.15	0.60	0.45	
	8th cross Mallasandra	2	30.00	0.15	0.60	5.40	
	8th cross Mallasandra	2	20.00	0.15	0.60	3.60	
	Mallasandra 5th cross Drain wall rising	10	30.00	0.15	0.20	9.00	
	Mallasandra 5th cross Drain wall rising	2	24.50	0.15	0.20	1.47	
	RCC Culvert Bottom (Raft)						
	Shanthi Layout3rd Cross	1	6.50	1.60	0.15	1.56	
	Opposite to Aai Matha Temple	1	4.60	1.40	0.15	0.97	
	Near Aai Matha Temple Road	1	8.00	1.60	0.15	1.92	
	- "-	1	6.70	1.60	0.15	1.61	
	4th 'A' cross Mallasandra (Near Cambridge School)	1	6.50	1.60	0.15	1.56	
	RCC Culvert Side Wall						
	Shanthi Layout3rd Cross	2	6.50	0.30	0.60	2.34	
	Opposite to Aai Matha Temple	2	4.60	0.30	0.60	1.66	
	Near Aai Matha Temple Road	2	8.00	0.30	0.60	2.88	
	- "-	2	6.70	0.30	0.60	2.41	

20.07.21
ಸಹಾಯಕ ಇಂಜಿನಿಯರ್
ಶೆಟ್ಟಿಹಳ್ಳಿ ಉಪವಿಭಾಗ, ದಾಸರಹಳ್ಳಿ ವಲಯ
ಬಿ.ಬಿ.ಎಂ.ಪಿ, ಬೆಂಗಳೂರು

ಸಹಾಯಕ ಕಾರ್ಯನಿರ್ವಾಹಕ ಅಭಿಯಂತರರು
ಶೆಟ್ಟಿಹಳ್ಳಿ ಉಪವಿಭಾಗ, ದಾಸರಹಳ್ಳಿ ವಲಯ
ಬೃಹತ್ ಬೆಂಗಳೂರು ಮಹಾನಗರ ಪಾಲಿಕೆ

4th 'A' cross Mallasandra (Near Cambridge School)	2	6.50	0.30	0.60	2.34	
					88.12	
	Qty limited to				85.12	Cum

Assistant Engineer
Ward No 13

20-07-21
23-07-21

Assistant Executive Engineer
Shettyhalli Sub Division 23.2.21

11 Constructing un-reinforced, plain cement concrete for pavements using Grade concrete M30 over a prepared base with OPC coarse aggregate at 0.69 cum, fine aggregates at 0.46 cum,Coarse and fine aggregate conforming to IS:383-2016, with Superplastizer at 3 Its conforming to IS 9103-2008. mixed in a concrete mixer of not less than 0.6 cum capacity and appropriate weigh batcher as per approved mix design, laid in approved fixed side form work (steel channel, laying and fixing of 125 micron thick polythene film, wedges, steel plates including levelling the form work as per drawing). &= Spreading the concrete with shovels, rackers compacted using needle, screed and plate vibrator and finished with floaters in a continuous operation including provision of contraction, expansion,construction and longitudinal joints,including groove cutting charges, joint filler, soparation membrane of impermiable plastic sheet of 125 micron, sealant primer, joint sealant, admixtures as approved, curing compound, finishing to lines and grades, textured with texturing machine, and curing including cost of all materials, labour,hire charges of machineries,all lead & lift charges etc., complete as per specifications. -do- with OPC at 360 kg/cum and coarse aggregate 0.69cum, fine aggregate 0.46cum.

1st Cross Mallasandra	1	30.00	(4.20+3.80)2	0.125	15.00	
-"-	1	24.50	(3.80+3.35)2	0.125	10.57	
Anjanayya Temple Road	1	10.70	3.85	0.125	5.15	
-"-	2	30.00	4.80	0.125	36.75	
-"-	1	28.00	(4.60+5.20)2	0.125	17.15	
Aai Matha Temple opp road	1	18.00	4.25	0.125	9.56	
Aai Matha Temple beside road	2	30.00	4.95	0.125	37.13	
-"-	1	5.60	4.95	0.125	3.47	
2nd Cross Lake view	1	27.75	4.90	0.125	17.00	
9th Cross pipe lane Mallasandra	1	30.00	(7.90+4.75)2	0.125	23.81	
- "-	1	30.00	(4.75+4.60)2	0.125	17.55	
- "-	1	30.00	(4.60+5.20)2	0.125	18.38	
- "-	1	30.00	5.20	0.125	19.50	
- "-	1	2.10	5.20	0.125	1.37	
10th Cross pipe lane Mallasandra	1	30.00	(5.90+3.80)2	0.125	18.19	
- "-	1	30.00	(3.80+3.35)2	0.125	13.39	
- "-	1	10.00	(3.35+3.65)2	0.125	4.38	
4th cross Road At Pipe lane	1	30.00	(7.00+3.7)2	0.125	20.06	
- "-	1	30.00	(3.70+3.85)2	0.125	14.34	
- "-	1	16.50	(3.95+3.65)2	0.125	7.84	
4th 'A' Cross Near Cambridge School	3	30.00	4.60	0.125	51.75	
-"-	1	23.50	4.80	0.125	14.10	
Cross road Near Cambridge School	1	29.00	4.00	0.125	14.50	
8 A cross Prasanth Nagar	1	30.00	3.35	0.125	12.56	
-"-	1	10.20	3.35	0.125	4.27	
7 cross Prasanth Nagar	1	22.85	3.85	0.125	11.00	
					418.74	Cum
			Qty limited to		392.60	Cum

02/08/21

Assistant Engineer
Ward No 13

Assistant Executive Engineer 2.8.21
Shettyhalli Sub Division

5	Providing and fixing Precast RCC Cover slabs of 100 mm thick for drain in Cement concret 1:1.5:3 Using graded granite jelly 20mm and down size with steel reinforcement and pointing for joints 1:3 cement mortor including form work lift charges Curing and concrete finishing surface on both sides etc;. and complete as per the directions of Engineer in Charge.						
	RCC Drain						
	Shanthi Layout 1st Cross	1	30.00			0.90	27.00
	-"-	1	3.50			0.90	3.15
	Shanthi Layout 3rd Cross	1	25.50			0.90	22.95
	At Aai mahathma temple	1	2.75			0.90	2.48
	8th cross Mallasandra	1	30.00			0.90	27.00
	-"-	1	20.00			0.90	18.00
	Slab	60	0.60			0.90	32.40
	Slab	58	0.60			0.90	31.32
	Slab	55	0.60			0.90	29.70
	Slab	68	0.60			0.90	36.72
							230.72 **Sqm**

02/08/21
Assistant Engineer
Ward No 13

2.8.21
Assistant Executive Engineer
Shettyhalli Sub Division

12	Placing tipper at loading point, loading with front end loader,dumping, turning for return trip, excluding time for haulage and return trip complete as per specifications.						
	Qty same As Item No 1 and 8 (1246.52+55.39)					1396.96	Cum
					Qty limited to	**1211.53**	**Cum**

02/08/21
Assistant Engineer
Ward No 13

2.8.21
Assistant Executive Engineer
Shettyhalli Sub Division

13	Cost of Haulage Excluding Loading and Unloading MORTH -100/ Chapter 1						
	Qty same As Item No 12					**1211.53**	**Cum**

02/08/21
Assistant Engineer
Ward No 13

2.8.21
Assistant Executive Engineer
Shettyhalli Sub Division

EIRL 1	Providing and fixing Precast RCC Cover slabs of 250 mm thick for drain in Cement concret 1:1.5:3 Using graded granite jelly 20mm and down size with steel reinforcement and pointing for joints 1:3 cement mortor including form work lift charges Curing and concrete finishing surface on both sides etc;. and complete as per the directions of Engineer in Charge.						
	Shanthi Layout3rd Cross	1	6.50	1.50		9.75	
	Near Aai Matha Temple Road opp	1	4.60	1.20		5.52	
	Near Aai Matha Temple Road	1	8.00	1.50		12.00	
	-"-	1	6.70	1.50		10.05	
	5th cross Mallasandra	1	6.50	1.50		9.75	
						47.07	**Sqm**

02/08/21
Assistant Engineer
Ward No 13

2.8.21
Assistant Executive Engineer
Shettyhalli Sub Division

RL 2	Providing and applying primer coat with S.S.including cleaning of road surface and spraying primer at the rate of 0.60 kg / sqm using mechanical means complete as per specifications. Clause 502 of MORTH V revision						
	5th cross Mallasandra	1	21.00	(4.50+4.00)/2		89.25	
	- "-	1	14.30	(4.00+4.80)/2		62.92	
	- "-	1	30.00	(6.80+5.80)/2		189.00	
	- "-	1	30.00	5.75		172.50	
	- "-	2	30.00	1.00		60.00	
	- "-	3	2.50	3.00		22.50	
	- "-	2	30.00	1.00		60.00	
	- "-	1	19.80	1.00		19.80	
	3rd Cross Cambridge School Road	2	30.00	1.00		60.00	
	- "-	1	16.00	1.00		16.00	
	- "-	2	30.00	1.00		60.00	
	- "-	1	15.00	1.00		15.00	
	- "-	1	30.00	1.00		30.00	
	- "-	2	30.00	1.00		60.00	
	- "-	1	30.00	1.00		30.00	
	- "-	1	30.00	1.00		30.00	
	- "-	2	30.00	1.00		60.00	
	- "-	1	30.00	1.00		30.00	
	- "-	2	21.00	1.00		42.00	
	- "-	1	28.20	1.00		28.20	
	- "-	1	5.00	1.40		7.00	
	- "-					1144.15	Sqm

Assistant Engineer 16/08/21
Ward No 13

Assistant Executive Engineer 16.8.21
Shettyhalli Sub Division

IRL 3	KSRRB M500-17. Providing and laying dense graded bituminous macadam using crushed aggregates of specified grading; premixed with VG30 grade bituminous binder and, transporting the hot mix to work site, laying to the required grade, level and ialignment, rolling with smooth wheeled, vibratory and tandem rollers to achieve the desired compaction in all respects complete as per specifications. Clause 505 of MORTH V revision						
	5th cross Mallasandra	1	21.00	(4.50+4.00)/2	0.05	4.46	
	- "-	1	14.30	(4.00+4.80)/2	0.05	3.15	
	- "-	1	30.00	(6.80+5.80)/2	0.05	9.45	
	- "-	1	30.00	5.75	0.05	8.63	
	- "-	2	30.00	1.00	0.05	3.00	
	- "-	3	2.50	3.00	0.05	1.13	
	- "-	2	30.00	1.00	0.05	3.00	
	- "-	1	19.80	1.00	0.05	0.99	
	3rd Cross Cambridge School Road	2	30.00	1.00	0.05	3.00	
	- "-	1	16.00	1.00	0.05	0.80	
	- "-	2	30.00	1.00	0.05	3.00	
	- "-	1	15.00	1.00	0.05	0.75	
	- "-	1	30.00	1.00	0.05	1.50	
	- "-	2	30.00	1.00	0.05	3.00	
	- "-	1	30.00	1.00	0.05	1.50	
	- "-	1	30.00	1.00	0.05	1.50	
	- "-	2	30.00	1.00	0.05	3.00	
	- "-	1	30.00	1.00	0.05	1.50	
	- "-	2	21.00	1.00	0.05	2.10	
	- "-	1	28.20	1.00	0.05	1.41	
	- "-	1	5.00	1.40	0.05	0.35	
	- "-					57.21	Cum

16/08/21

ಸಹಾಯಕ ಕಾರ್ಯನಿರ್ವಾಹಕ ಅಭಿಯಂತರರು
ಶೆಟ್ಟಿಹಳ್ಳಿ ಉಪವಿಭಾಗ, ಮಾಗಡಿರಸ್ತೆ, ನಗರ

Assistant Engineer
Ward No 13

Assistant Executive Engineer
Shettyhalli Sub Division

KSRRB 500-7. Providing and applying tack coat using 80/100 grade bitumen(VG10) on the prepared black topped surfaces at 2.5 kg per 10 sqm, heating bitumen in boiler fitted with spray set (excluding cleaning of road surface) including cost of all materials, labour, HOM complete as per specifications. Clause 503 of MORTH V revision						
5th cross Mallasandra	1	21.00	(4.50+4.00)/2		89.25	
- "-	1	14.30	(4.00+4.80)/2		62.92	
- "-	1	30.00	(6.80+5.80)/2		189.00	
- "-	1	30.00	5.75		172.50	
- "-	1	30.00	(5.70+4.10)/2		147.00	
- "-	1	15.00	(4.10+3.80)/2		58.50	
	1	15.00	3.80		57.00	
3rd Cross Cambridge School Road	1	19.50	(3.00+5.50)/2		82.88	
- "-	1	30.00	(4.30+3.50)/2		117.00	
- "-	1	16.00	(3.50+2.70)/2		49.60	
- "-	1	30.00	(3.80+5.10)/2		133.50	
- "-	1	15.00	(5.10+5.30)/2		78.00	
- "-	1	30.00	5.50		165.00	
- "-	1	30.00	5.70		171.00	
- "-	1	30.00	(5.70+5.20)/2		163.50	
- "-	1	30.00	5.40		162.00	
- "-	1	30.00	(5.40+4.80)/2		153.00	
- "-	1	30.00	4.75		142.50	
- "-	1	21.00	(4.70+6.80)/2		120.75	
- "-	1	28.20	6.70		188.94	
	1	5.00	4.05		20.25	
					2527.64	**Sqm**

Assistant Engineer 18/08/21
Ward No 13

Assistant Executive Engineer
Shettyhalli Sub Division 17.8.21

Providing and laying bituminous concrete 40mm thick with hot mix plant, using crushed aggregates of specified grading, premixed with bituminous binder and filler, transporting the hot mix to work site, laying with a paver finisher to the required grade, level and alignment, rolling with smooth wheeled, vibratory and tandem rollers to achieve the desired compaction in all respects complete as per specifications. Clause 507 of MORTH V revision as per IRC SP-53-2015.do - using 40-60 TPH capacity HMP with mechanical paver grading II(30-45mm) with 5.4 % of modified bituminous binder consisting of 4.97% of VG-30 bitumen (60/70 grade) and 0.43% of plastomeric thermoplastics (waste plastic)						
5th cross Mallasandra	1	21.00	(4.50+4.00)/2	0.04	3.57	
- "-	1	14.30	(4.00+4.80)/2	0.04	2.52	
- "-	1	30.00	(6.80+5.80)/2	0.04	7.56	
- "-	1	30.00	5.75	0.04	6.90	
- "-	1	30.00	(5.70+4.10)/2	0.04	5.88	
- "-	1	15.00	(4.10+3.80)/2	0.04	2.25	
- "-	1	15.00	3.80	0.04	2.28	
	1	19.50	(3.00+5.50)/2	0.04	3.32	
3rd Cross Cambridge School Road	1	30.00	(4.30+3.50)/2	0.04	4.68	
- "-	1	16.00	(3.50+2.70)/2	0.04	1.98	
- "-	1	30.00	(3.80+5.10)/2	0.04	5.34	
- "-	1	15.00	(5.10+5.30)/2	0.04	3.12	
- "-	1	30.00	5.50	0.04	6.60	
- "-	1	30.00	5.70	0.04	6.84	

ಸಹಾಯಕ ಕಾರ್ಯನಿರ್ವಾಹಕ ಅಭಿಯಂತರರು
ಶೆಟ್ಟಿಹಳ್ಳಿ ಉಪವಿಭಾಗ, ದಾಸರಹಳ್ಳಿ ವಲಯ

	- "-	1	30.00	(5.70+5.20)/2	0.04	6.54	
	- "-	1	30.00	5.40	0.04	6.48	
	- "-	1	30.00	(5.40+4.80)/2	0.04	6.36	
	- "-	1	30.00	4.75	0.04	5.70	
	- "-	1	21.00	(4.70+6.80)/2	0.04	4.83	
		1	28.20	6.70	0.04	7.56	
	- "-	1	5.00	4.05	0.04	0.81	
						101.11	Cum

Assistant Engineer 26/08/21
Ward No 13

Assistant Executive Engineer
Shettyhalli Sub Division 7.9.21

CERTIFICATE

Certified that the contractor has work done satisfactorily.
Certified that the contractor has removed the debries from work site.
Certified that there is no departmental issues made by Contractor .

Assistant Engineer 26/08/21
Ward No 13

Assistant Executive Engineer
Shettyhalli Sub Division 7.9.21